

# Mineral Industry Surveys

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## IRON AND STEEL SCRAP IN SEPTEMBER 2004

On a daily average basis in September 2004, estimated consumption of iron and steel scrap was up 5% and net receipts of purchased and home scrap were up 3% compared with those of August 2004, according to the U.S. Geological Survey. Consumption during the first 9 months of 2004 was 2% greater than that during the first 9 months of 2003. Consumption during the third quarter of 2004 was 6% greater than that during the third quarter of 2003. Production of home scrap was up 4% and stocks of purchased and home scrap at the end of the month were up 1%. These observations are based upon responses from 65% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 55% of the total scrap consumption in those sectors, and estimates for nonrespondents to this survey.

On a daily average basis, pig iron production was up 2% and consumption was up 3% compared with those of August 2004. Stocks of pig iron at month's end were up 22% compared with those of August 2004.

Exports of iron and steel scrap for the month of August 2004 increased 6% from those of July 2004. China was the leading country of destination, accounting for 19% of the total tonnage of exports, followed by Canada with 18% and Mexico with 15% (table 6). Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports, accounting for 23% of the total,

followed by San Francisco, CA, with 12% and New York, NY, with 10% (table 7).

Imports of iron and steel scrap for August 2004 increased 5% compared with those of July 2004. Canada was the leading country of origin, accounting for 58% of the total tonnage of imports, followed by the Netherlands with 12% and United Kingdom with 9% (table 9). Detroit, MI, was the leading Customs district for tonnage of imports, accounting for 25% of the total, followed by Charleston, SC, with 20% and New Orleans, LA, with 17% (table 10).

The daily average domestic raw steel production for September 2004, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, amounted to 279,000 metric tons (t), up 2% from 273,000 t in August 2004 and up 15% from 243,000 t in September 2003 (table 12). The electric furnace portion of raw steel production for September 2004 was 55%, about the same as in August 2004 and up from 51% September 2003.

Raw steel capability utilization (AISI data) in September 2004 was 97%, up from 95% of August 2004 and up from 81% of September 2003 (table 12). Continuous cast steel production in the United States accounted for 97% of total raw steel production in September 2004, up from 94% of August 2004 and about the same as in September 2003.

TABLE 1  
IRON AND STEEL SCRAP, PIG IRON, AND DIRECT-REDUCED IRON STATISTICS FOR STEEL PRODUCERS<sup>1,2</sup>

(Thousand metric tons)

	September 2004			Year to date <sup>p</sup>		
	Integrated steel producers <sup>3</sup>	Electric furnace steel producers <sup>4</sup>	Total for steel producers	Integrated steel producers <sup>3</sup>	Electric furnace steel producers <sup>4</sup>	Total for steel producers
<b>Scrap:</b>						
Receipts from dealers and other sources	1,280	2,480	3,750	11,100	22,500	33,600
Receipts from other own company plants	W	W	192	W	W	1,550
Production recirculating scrap	642	340	982	5,670	3,040	8,710
Production obsolete scrap	21	27	48	136	240	376
<b>Consumption (by type of furnace):</b>						
Blast furnace	(5)	--	(5)	(5)	--	(5)
Basic oxygen process	W	W	1,240	W	W	10,900
Electric furnace	W	W	3,610	W	W	31,800
Other (including air furnace) <sup>6</sup>	(5)	--	(5)	(5)	--	(5)
Total consumption	1,910	2,940	4,850	16,500	26,300	42,700
Shipments	118	5	123	959	62	1,020
Stocks end of month	2,290	2,170	4,460	XX	XX	XX
<b>Pig iron (includes hot metal):</b>						
Receipts	588	217	805	5,200	1,240	6,450
Production	W	W	2,560	W	W	22,700
<b>Consumption (by type of furnace):</b>						
Basic oxygen process	W	W	3,050	W	W	27,900
Direct castings <sup>7</sup>	(5)	(5)	(5)	(5)	(5)	(5)
Electric furnace	W	W	(5)	W	W	(5)
Total consumption	2,560	121	3,050	27,000	889	27,900
Shipments	(8)	(8)	(8)	(8)	(8)	(8)
Stocks end of month	W	W	454	XX	XX	XX
<b>Direct-reduced iron:<sup>9</sup></b>						
Receipts	61	6	67	803	65	868
Production	W	--	W	--	--	--
Total consumption	89	7	95	821	184	1,000
Shipments	3	--	3	5	--	5
Stocks end of month	155	12	167	XX	XX	XX

<sup>p</sup>Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total for steel producers" and/or "Total consumption." XX Not applicable. -- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Includes manufacturers of raw steel that also produce steel castings. August 2004 data are based on returns from 57% of monthly respondents, representing 48% of scrap consumption during this month, and estimates for nonrespondents of this survey.

<sup>3</sup>Includes data for electric furnaces operated by integrated steel producers.

<sup>4</sup>Includes minimill and specialty steel producers; includes data for other furnaces operated by these steel producers.

<sup>5</sup>Withheld to avoid disclosing company proprietary data; included in "Consumption: Basic oxygen process."

<sup>6</sup>Includes vacuum melting furnaces and miscellaneous uses.

<sup>7</sup>Includes ingot molds and stools.

<sup>8</sup>Withheld to avoid disclosing company proprietary data.

<sup>9</sup>Includes direct-reduced iron, hot-briquetted iron, and iron carbide. Domestic production data are included in "Receipts."

TABLE 2  
RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, CONSUMPTION, AND STOCKS OF IRON AND STEEL SCRAP, BY GRADE, FOR STEEL PRODUCERS<sup>1,2</sup>

(Thousand metric tons)

Item	September 2004				Year to date <sup>p</sup>		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap <sup>3</sup>	Ending stocks	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap <sup>3</sup>
<b>Carbon steel:</b>							
Low-phosphorus plate and punchings	25	W	53	129	264	W	537
Cut structural and plate	383	54	429	289	3,450	547	3,950
No. 1 heavy melting steel	437	181	625	578	3,840	1,570	5,340
No. 2 heavy melting steel	460	33	511	511	4,400	311	4,760
No. 1 and electric furnace bundles	412	W	559	298	3,500	W	4,770
No. 2 and all other bundles	76	W	82	36	664	W	705
Electric furnace 1 foot and under (not bundles)	1	W	W	W	5	W	W
Railroad rails	19	W	23	23	200	W	236
Turnings and borings	158	4	180	106	1,480	41	1,630
Slag scrap	71	126	173	155	676	1,140	1,570
Shredded and fragmentized	851	W	986	675	7,480	W	8,360
No. 1 busheling	444	18	459	284	3,820	136	3,860
Steel cans (post consumer)	21	W	26	W	198	W	239
All other carbon steel scrap	143	198	352	259	1,340	1,700	3,160
Stainless steel scrap	63	18	86	36	598	172	840
Alloy steel scrap	11	45	49	33	99	394	474
Ingot mold and stool scrap	W	7	5	16	W	60	42
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	28	W	22	23	231	W	220
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	55	40	104	W	495	322	901
Other mixed scrap	93	29	119	571	818	255	1,050
Total	3,750	982	4,850	4,460	33,600	8,710	42,700

<sup>p</sup>Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Includes manufacturers of raw steel that also produce steel castings.

<sup>3</sup>Includes recirculating scrap and home-generated obsolete scrap.

TABLE 3  
 RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, AND CONSUMPTION OF IRON AND STEEL SCRAP,  
 BY REGION AND STATE, FOR STEEL PRODUCERS<sup>1,2</sup>

(Thousand metric tons)

Region and State	September 2004			Year to date <sup>p</sup>		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap <sup>3</sup>	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap <sup>3</sup>
<b>Mid-Atlantic and New England:</b>						
New Jersey, New York, Pennsylvania	391	174	598	3,610	1,560	5,470
<b>North Central:</b>						
Illinois and Indiana	406	317	710	3,540	2,850	6,200
Iowa, Minnesota, Nebraska, Wisconsin	246	5	240	2,210	45	2,160
Michigan	184	93	236	1,600	767	2,020
Ohio	540	129	654	4,390	1,130	5,500
Total	1,380	544	1,840	11,700	4,790	15,900
<b>South Atlantic:</b>						
Delaware, Maryland, Virginia, West Virginia	200	70	280	2,080	621	2,670
Florida, Georgia, North Carolina, South Carolina	318	17	364	2,730	146	3,030
Total	519	87	644	4,810	767	5,700
<b>South Central:</b>						
Alabama, Kentucky, Mississippi, Tennessee	468	50	541	4,380	472	4,830
Arkansas, Louisiana, Oklahoma, Texas	677	67	837	6,070	582	7,380
Total	1,150	117	1,380	10,400	1,050	12,200
<b>Mountain and Pacific:</b>						
Arizona, California, Colorado, Oregon, Utah, Washington	322	60	388	2,980	542	3,490
Grand total	3,750	982	4,850	33,600	8,710	42,700

<sup>p</sup>Preliminary.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Includes manufacturers of raw steel that also produce steel castings.

<sup>3</sup>Includes recirculating scrap and home-generated obsolete scrap.

TABLE 4  
RECEIPTS OF IRON AND STEEL SCRAP, BY REGION AND GRADE, FOR STEEL PRODUCERS<sup>1,2,3,4</sup>

(Thousand metric tons)

Item	September 2004					Year to date <sup>p</sup>				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	14	4	W	4	2	126	39	W	53	40
Cut structural and plate	44	116	90	104	29	408	1,130	811	839	265
No. 1 heavy melting steel	44	153	34	167	37	388	1,110	363	1,550	426
No. 2 heavy melting steel	8	193	60	148	51	68	1,760	631	1,480	460
No. 1 and electric furnace bundles	31	283	24	66	8	284	2,400	211	530	80
No. 2 and all other bundles	8	36	6	17	9	67	281	55	164	97
Electric furnace 1 foot and under (not bundles)	--	1	--	--	--	--	5	--	--	--
Railroad rails	W	W	--	10	W	W	W	4	117	W
Turnings and borings	26	51	25	50	6	218	422	203	576	60
Slag scrap	18	22	8	22	W	166	242	63	195	W
Shredded and fragmentized	47	180	204	312	109	424	1,510	1,840	2,800	912
No. 1 busheling	47	183	20	188	6	434	1,520	189	1,620	55
Steel cans (post consumer)	3	W	W	W	W	32	W	W	W	W
All other carbon steel scrap	36	69	4	33	W	356	626	74	274	W
Stainless steel scrap	50	13	--	--	--	491	107	--	--	--
Alloy steel scrap	7	W	--	W	--	62	W	--	W	--
Ingot mold and stool scrap	--	--	--	--	--	1	--	--	--	--
Machinery and cupola cast iron	--	--	--	W	--	--	--	(5)	W	--
Cast iron borings	W	W	W	6	--	W	W	W	77	--
Motor blocks	--	--	W	--	--	--	--	W	--	--
Other iron scrap	W	20	W	1	W	W	180	W	5	W
Other mixed scrap	W	W	6	14	W	W	W	43	126	W
Total	391	1,380	519	1,150	322	3,610	11,700	4,810	10,400	2,980

<sup>p</sup>Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

<sup>1</sup>Scrap received from brokers, dealers, and other outside sources.

<sup>2</sup>A breakout of the States within each region is provided in Table 3.

<sup>3</sup>Includes manufacturers of raw steel that also produce steel castings.

<sup>4</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>5</sup>Less than 1/2 unit.

TABLE 5  
CONSUMPTION OF IRON AND STEEL SCRAP BY REGION AND GRADE, FOR STEEL PRODUCERS<sup>1,2,3</sup>

(Thousand metric tons)

Item	September 2004					Year to date <sup>p</sup>				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	15	33	W	W	5	130	295	W	W	57
Cut structural and plate	65	117	120	99	28	608	1,160	1,060	870	253
No. 1 heavy melting steel	82	199	37	223	85	740	1,470	391	1,960	778
No. 2 heavy melting steel	14	197	68	180	52	129	1,810	670	1,690	470
No. 1 and electric furnace bundles	42	415	20	72	9	346	3,540	205	594	86
No. 2 and all other bundles	9	37	7	19	9	79	286	56	178	106
Electric furnace 1 foot and under (not bundles)	--	3	--	--	--	--	79	--	--	--
Railroad rails	W	W	--	12	W	41	W	4	129	W
Turnings and borings	30	64	23	56	7	263	505	212	584	65
Slag scrap	29	78	17	48	W	265	714	144	444	W
Shredded and fragmentized	79	175	238	382	112	726	1,450	2,000	3,220	971
No. 1 busheling	53	178	31	191	7	473	1,500	204	1,620	63
Steel cans (post consumer)	5	W	W	W	W	50	W	W	W	W
All other carbon steel scrap	63	181	39	66	W	608	1,580	381	567	W
Stainless steel scrap	68	18	--	--	--	653	187	--	--	--
Alloy steel scrap	15	32	--	W	--	156	298	--	W	--
Ingot mold and stool scrap	3	1	--	(4)	--	30	9	--	3	--
Machinery and cupola cast iron	--	--	(4)	W	--	--	--	--	W	--
Cast iron borings	W	W	W	8	--	W	W	W	78	--
Motor blocks	--	--	W	--	--	--	--	W	--	--
Other iron scrap	W	52	W	3	W	W	462	W	23	W
Other mixed scrap	W	30	6	13	W	W	268	51	133	W
Total	598	1,840	644	1,380	388	5,470	15,900	5,700	12,200	3,490

<sup>p</sup>Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>A breakout of the States within each region is provided in Table 3.

<sup>3</sup>Includes manufacturers of raw steel that also produce steel castings.

<sup>4</sup>Less than 1/2 unit.

TABLE 6  
U.S. EXPORTS OF IRON AND STEEL SCRAP BY SELECTED REGION AND COUNTRY<sup>1, 2</sup>

(Thousand metric tons and thousand dollars)

Region and country	August 2004		Year to date	
	Quantity	Value	Quantity	Value
<b>North America and South America:</b>				
Bahamas, The	(3)	36	2	330
Belize	(3)	54	(3)	357
Brazil	1	131	1	651
Canada	142	24,700	1,300	149,000
Colombia	(3)	18	1	257
Costa Rica	(3)	23	(3)	71
Mexico	116	23,300	1,050	206,000
Panama	(3)	220	2	702
Peru	31	8,530	130	28,300
Turks and Caicos Islands	1	132	7	768
Venezuela	(3)	80	3	498
Other	1	31	37	7,930
Total	292	57,300	2,530	395,000
<b>Africa, Europe, Middle East:</b>				
Austria	(3)	34	1	133
Belgium	(3)	106	7	1,420
Finland	6	7,430	52	72,100
France	(3)	181	1	657
Germany	1	367	16	6,660
Ireland	(3)	22	(3)	156
Kenya	6	2,080	39	16,300
Netherlands	(3)	334	12	13,500
Slovenia	(3)	96	(3)	210
Spain	(3)	69	4	5,900
Sweden	(3)	88	1	1,160
Turkey	22	4,970	206	35,800
United Arab Emirates	(3)	143	3	959
United Kingdom	(3)	141	13	6,720
Other	2	13	55	12,300
Total	37	16,100	410	174,000
<b>Asia, Australia, Oceania:</b>				
Bangladesh	2	306	2	421
China	154	57,200	2,100	576,000
Hong Kong	7	4,820	51	27,000
India	6	4,180	238	64,600
Indonesia	4	763	13	3,780
Japan	34	7,570	73	32,300
Korea, Republic of	95	22,100	1,170	323,000
Malaysia	78	10,400	287	53,200
Pakistan	(3)	38	3	610
Phillippines	(3)	27	(3)	57
Singapore	7	843	9	1,450
Taiwan	43	15,900	155	68,500
Thailand	33	6,080	464	87,100
Vietnam	1	210	12	3,180
Other	(3)	18	1	277
Total	463	131,000	4,590	1,240,000
Grand total	791	204,000	7,530	1,810,000

<sup>1</sup>Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Export valuation is on a free alongside ship basis.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>3</sup>Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7  
U.S. EXPORTS OF IRON AND STEEL SCRAP BY REGION  
AND SELECTED CUSTOMS DISTRICT<sup>1,2,3</sup>

(Thousand metric tons and thousand dollars)

Region and customs district	August 2004		Year to date	
	Quantity	Value	Quantity	Value
<b>Canadian-U.S. Border:</b>				
Buffalo, NY	7	2,650	64	17,200
Chicago, IL	(4)	161	6	1,170
Detroit, MI	31	6,750	227	38,800
Duluth, MN	3	489	33	5,010
Great Falls, MT	3	352	13	1,800
Ogdensburg, NY	8	1,570	36	7,520
Pembina, ND	42	7,970	340	49,400
Other <sup>5</sup>	(4)	5	1	595
<b>Total</b>	<b>94</b>	<b>19,900</b>	<b>719</b>	<b>121,000</b>
<b>East Coast:</b>				
Baltimore, MD	1	480	13	5,460
Boston, MA	58	16,400	542	107,000
Charleston, SC	3	1,480	28	13,900
Miami, FL	3	979	33	11,500
New York, NY	82	28,100	1,030	281,000
Norfolk, VA	6	3,190	115	29,100
Philadelphia, PA	35	10,800	247	48,400
Portland, ME	25	4,630	204	37,700
Savannah, GA	7	3,050	38	20,900
St. Albans, VT	7	1,360	29	5,640
Wilmington, NC	2	492	14	3,860
Other	39	3,480	779	68,800
<b>Total</b>	<b>268</b>	<b>74,300</b>	<b>3,080</b>	<b>633,000</b>
<b>Gulf Coast and Mexican-U.S.</b>				
<b>Border (includes Caribbean territories):</b>				
El Paso, TX	(4)	55	2	370
Houston-Galveston, TX	2	1,950	81	59,300
Laredo, TX	21	5,040	322	64,800
New Orleans, LA	(4)	153	49	69,500
Nogales, AZ	1	180	17	2,360
San Juan, PR	3	795	61	11,600
Tampa, FL	10	1,170	214	39,600
Other	1	74	13	5,120
<b>Total</b>	<b>38</b>	<b>9,410</b>	<b>759</b>	<b>253,000</b>
<b>West Coast and Hawaii:</b>				
Columbia-Snake, OR	32	7,120	232	51,400
Honolulu, HI and Anchorage, AK	(4)	316	120	27,600
Los Angeles, CA	180	51,900	1,300	398,000
San Diego, CA	9	1,770	103	15,900
San Francisco, CA	96	22,200	743	176,000
Seattle, WA	73	16,800	477	135,000
<b>Total</b>	<b>391</b>	<b>100,000</b>	<b>2,970</b>	<b>804,000</b>
<b>Grand total</b>	<b>791</b>	<b>204,000</b>	<b>7,530</b>	<b>1,810,000</b>

<sup>1</sup>Re-export activity for August 2004 amounted to 8,490 metric tons valued at \$8,820,000.

<sup>2</sup>Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Export valuation is on a free alongside ship basis.

<sup>3</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>4</sup>Less than 1/2 unit.

<sup>5</sup>Includes Code 70, which is for low-valued exports from the United States to Canada.

Source: U.S. Census Bureau.

TABLE 8  
U.S. EXPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS BY GRADE<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

Item	August 2004		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	163	37,800	1,230	234,000
No. 2 heavy melting steel	15	2,810	252	46,500
No. 1 bundles	10	1,940	173	23,700
No. 2 bundles	(3)	41	30	5,810
Shredded steel scrap	221	45,400	2,460	480,000
Borings, shoveling and turnings	17	1,570	123	12,000
Cut plate and structural	34	7,620	373	73,500
Tinned iron or steel	7	1,880	65	13,900
Remelting scrap ingots	(3)	299	4	4,220
Cast iron	52	10,800	581	116,000
Other iron and steel	127	25,800	881	188,000
Total carbon steel and cast iron	648	136,000	6,170	1,200,000
Stainless steel	31	31,800	322	365,000
Other alloy steel	112	36,200	1,030	249,000
Total stainless and alloy steel	143	68,000	1,360	614,000
Total carbon, stainless, alloy steel and cast iron	791	204,000	7,530	1,810,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	16	2,620
Used rails for rerolling and other uses	6	2,880	31	13,300
Total scrap exports	798	207,000	7,570	1,830,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	(3)	33	3	703
Pig iron > 0.5% phosphorus	1	65	11	977
Alloy pig iron	1	96	2	327
Total pig iron	2	194	17	2,010
Direct-reduced iron (DRI)	(3)	13	12	1,330
Spongy iron products, not DRI	1	401	3	1,750
Granules for abrasive cleaning and other uses	2	1,560	18	12,900
Powders of alloy steel	1	2,210	8	11,000
Other ferrous powders	5	6,250	36	46,900
Total DRI, granules, powders	9	10,400	77	73,900
Grand total	808	217,000	7,670	1,900,000

-- Zero.

<sup>1</sup>Export valuation is on a free alongside ship basis.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>3</sup>Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 9  
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP  
BY SELECTED COUNTRY<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

Country	August 2004		Year to date	
	Quantity	Value	Quantity	Value
Bahamas, The	(3)	28	4	197
Canada	229	52,800	1,660	358,000
Denmark	31	6,440	82	17,600
Dominican Republic	7	1,330	60	12,800
Ecuador	(3)	142	(3)	464
Egypt	(3)	99	1	646
Germany	(3)	86	4	596
Korea, Republic of	(3)	156	(3)	333
Mexico	10	4,870	88	40,700
Netherlands	46	13,600	143	41,700
Netherlands Antilles	2	409	15	1,130
Sweden	34	8,450	231	51,900
United Kingdom	37	26,000	683	197,000
Venezuela	(3)	218	8	7,550
Other	2	233	20	27,300
Total	398	115,000	3,000	758,000

<sup>1</sup>Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>3</sup>Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 10  
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP  
BY SELECTED CUSTOMS DISTRICT<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

Customs district	August 2004		Year to date	
	Quantity	Value	Quantity	Value
Buffalo, NY	43	20,100	258	105,000
Charleston, SC	80	22,100	775	195,000
Chicago, IL	21	516	45	2,300
Cleveland, OH	9	105	9	105
Detroit, MI	99	23,600	793	161,000
Mobile, AL	9	1,730	80	19,500
New Orleans, LA	68	32,400	496	156,000
Pembina, ND	9	2,550	44	12,900
San Diego, CA	4	1,050	33	7,170
Seattle, WA	41	4,070	343	40,000
Other	14	6,650	120	60,100
Total	398	115,000	3,000	758,000

<sup>1</sup>Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 11  
U.S. IMPORTS OF IRON AND STEEL SCRAP AND OTHER  
FERROUS PRODUCTS BY GRADE<sup>1, 2</sup>

(Thousand metric tons and thousand dollars)

Item	August 2004		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	6	939	77	10,000
No. 2 heavy melting steel	2	203	16	2,170
No. 1 bundles	118	29,600	439	98,000
No. 2 bundles	--	--	1	95
Shredded steel scrap	80	17,300	887	186,000
Borings, shovelings and turnings	6	677	33	3,150
Cut plate and structural	7	762	84	12,200
Tinned iron or steel	1	218	6	1,500
Remelting scrap ingots	(3)	40	(3)	202
Cast iron	32	5,480	233	39,300
Other iron and steel	93	37,700	908	236,000
Total carbon steel and cast iron	344	92,800	2,690	590,000
Stainless steel	12	15,800	100	116,000
Other alloy steel	42	6,190	211	52,100
Total stainless and alloy steel	54	22,000	310	169,000
Total carbon, stainless, alloy steel and cast iron	398	115,000	3,000	758,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	--	--
Used rails for rerolling and other uses	22	4,220	70	23,100
Total scrap imports	419	119,000	3,070	781,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	509	110,000	3,060	634,000
Pig iron > 0.5% phosphorus	30	7,470	89	19,600
Alloy pig iron	--	--	--	--
Total pig iron	539	117,000	3,150	654,000
Direct-reduced iron (DRI)	400	77,600	1,770	313,000
Spongy iron products, not DRI	(3)	192	26	8,790
Granules for abrasive cleaning and other uses	1	752	11	6,280
Powders of alloy steel	6	5,240	39	37,000
Other ferrous powders	6	6,820	57	44,400
Total DRI, granules, powders	413	90,600	1,900	410,000
Grand total	1,370	327,000	8,120	1,840,000

-- Zero.

<sup>1</sup>Import valuation is on a Customs basis.

<sup>2</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>3</sup>Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 12  
U.S. RAW STEEL PRODUCTION, RAW STEEL CAPABILITY UTILIZATION,  
AND CONTINUOUS CAST STEEL PRODUCTION<sup>1</sup>

Period	Raw steel production, thousand metric tons		Raw steel capability utilization, percent		Continuous cast steel production, percent	
	Monthly	Year to date <sup>2</sup>	Monthly	Year to date	Monthly	Year to date
2003:						
September	7,280	68,400	80.7	83.2	96.7	97.2
October	7,720	76,100	82.8	83.3	97.0	97.3
November	7,570	83,700	83.9	83.4	97.2	97.3
December	7,630	91,300	81.9	82.2	97.1	96.1
2004:						
January	7,850	7,850	88.0	88.0	96.9	96.9
February	7,620	15,400	90.9	88.9	97.0	97.0
March	8,410	23,800	93.7	90.4	96.9	96.9
April	8,080	31,900	93.9	91.1	96.9	96.9
May	8,310	40,200	92.9	91.5	97.7	97.1
June	8,170	48,300	94.4	91.9	96.8	97.0
July	8,310	57,100	93.5	92.7	97.4	97.1
August	8,450	65,600	95.0	93.0	94.4	96.3
September	8,380	74,000	97.3	93.5	97.3	97.1

<sup>1</sup>Data are rounded to no more than three significant digits.

<sup>2</sup>Year-to-date may include revisions for previous months.

Source: American Iron and Steel Institute.

TABLE 13  
COMPOSITE PRICES FOR NO. 1 HEAVY MELTING STEEL SCRAP AND PIG IRON

Period	American Metal Market No. 1 HMS		Iron Age No. 1 HMS		Iron Age Pig Iron	
	\$/lt	\$/t	\$/lt	\$/t	\$/lt	\$/t
2003:						
September	128.35	126.32	125.83	123.85	NA	NA
October	130.67	128.61	127.92	125.89	163.07	190.69
November	144.03	141.76	141.29	139.06	199.64	196.48
December	159.88	157.35	155.50	153.05	206.64	203.38
Average	122.93	120.99	120.92	119.01	180.99	178.13
2004:						
January	177.47	174.67	179.84	176.99	240.78	236.98
February	224.09	220.55	222.50	218.99	240.78	236.98
March	250.05	246.10	238.13	234.37	NA	NA
April	208.76	205.46	201.33	198.15	NA	NA
May	170.55	167.86	161.25	158.70	NA	NA
June	165.00	162.39	160.33	157.80	NA	NA
July	215.30	211.90	214.96	211.56	NA	NA
August	240.38	236.58	225.96	222.40	NA	NA
September	205.17	201.93	198.78	195.64	NA	NA

NA Not available.

Note: Long tons = lt; metric tons = t.